

DATES

&

DATA

American Society for Quality

First Tuesday of the month 6 p.m., Franco's.
Contact: Ann Dorris at x38620.

Bay Area Aero Club

Second Tuesday of the month 7 p.m., Houston Gulf
Airport clubhouse, 2750 FM 1266, League City
Contact: Larry Hendrickson at x32050
Web site www.bayareaaeroclub.org

**Clear Lake Communicators,
Toastmasters International Club**

Thursdays 11:30, Wyle Laboratories, 1100 Hercules,
Suite 305. Contact: Allen Prescott at (281) 282-3281
or Richard Lehman at (281) 280-6557.

**Clear Lake Area chapter of the National
Space Society**

First Monday of every month Parker Williams Branch of
the Harris County Library at 10851 Scarsdale Blvd.
Contact: Murray Clark at (281) 367-2227.

JSC National Management Association

Visit: www.jsc.nasa.gov/nma/

JSC Amateur Radio Club

Last Thursday of the month 6:30 p.m., Piccadilly,
2465 Bay Area Blvd. Contact: Larry Dietrich at x39198.

JSC Astronomical Society

Second Friday of month 7:30 p.m., Center for Advanced
Space Studies, 3600 Bay Area Blvd Contact: Chuck
Shaw at x35416 Website www.ghg.net/cbr/jscas/

Lunarfans

Third Wednesday of the month 7:30 p.m.
Contact: Mike Manering at x32618.
www4.jsc.nasa.gov/ah/ExcERA/leisure/Lunarfans/default.htm

National Society of Black Engineers

First Monday of the month 6:30 p.m., Texas Southern
University, School of Technology, 1st floor. Contact:
Kimberly Topps at (281) 280-2917.

Radio Control Airplane Club

Second Thursday of the month 7 p.m., Clear Lake Park
building Contact: Bill Langdoc at x35970.

**Society of Mexican-American Engineers
and Scientists (MAES)**

Second Wednesday of month 11:30 a.m.,
Bldg. 16, Rm. 111. Contact: Margaret C. Delgado at
(713) 643-6097 or mcdelgad@aol.com.

Space City Chess Club

Friday evenings 5:30 p.m. until 9 p.m., Clear Lake United
Methodist Church, 16335 El Camino Real, room 423
All skill levels are welcome. Contact: James Mulberry at
x39287 or James Termini at x32639.

Spaceland Toastmasters

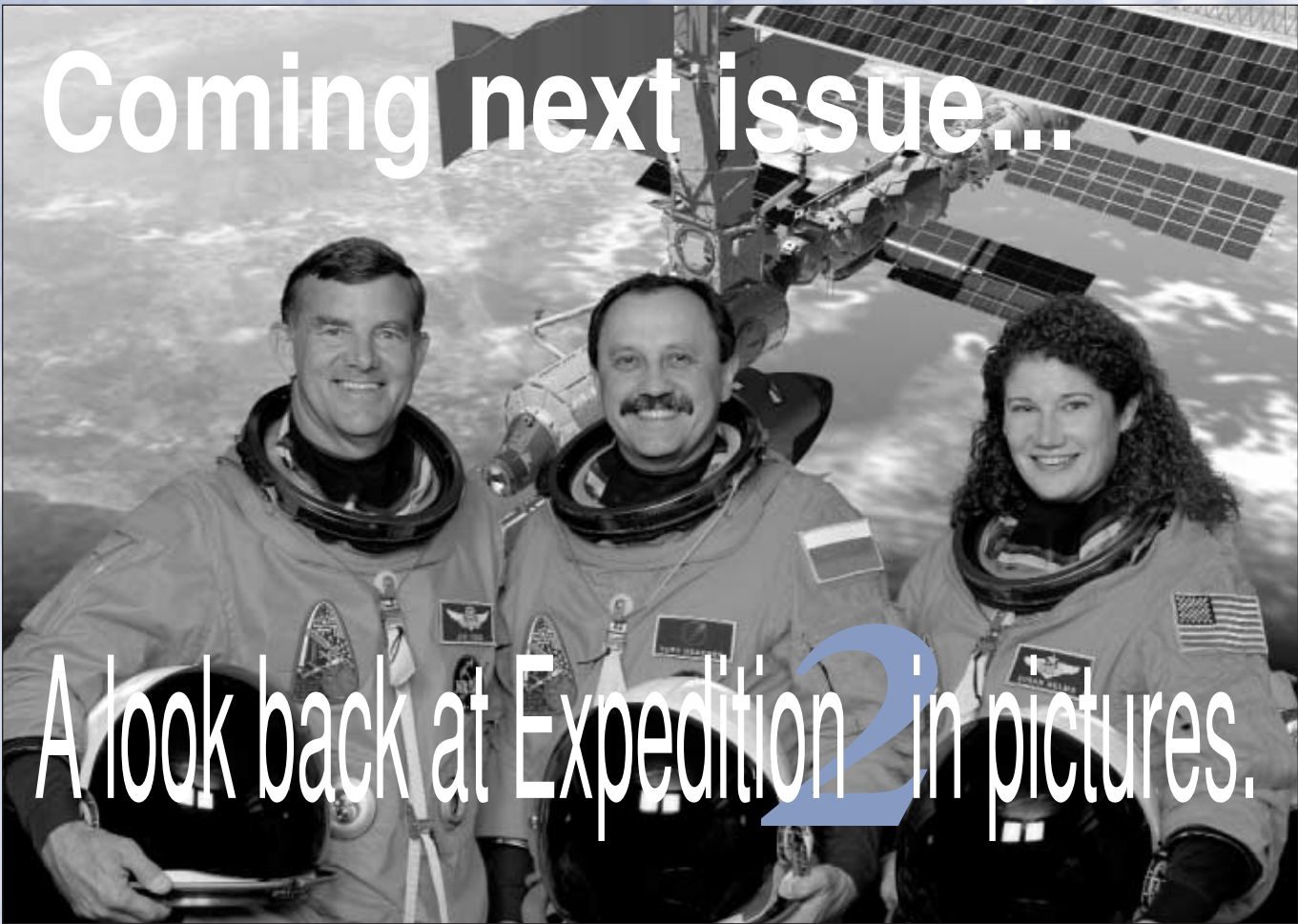
Wednesday mornings at 7 a.m. USA Space Alliance
Building 600 Gemini. Contact: Ava Sloan at
(713) 768-6336 or asloan@hal-pc.org

Spaceteam Toastmasters

Wednesday mornings at 11:30 a.m. United Space
Alliance, 600 Gemini. Contact: Patricia Blackwell
at (281) 280-6863.

For additional JSC news, please visit the *Cyberspace Roundup*:
<http://www.jsc.nasa.gov/pao/roundup/>

It's time to start thinking about the 2001 Holiday Dinner Dance, scheduled
for Dec. 8. This year's festivities will start at 7 p.m. and last until midnight
at the Gilruth Ballroom. Tickets will go on sale 10 a.m. Monday, Nov. 5,
in the Bldg. 11 Cafeteria. Cost is \$50 per couple or \$30 per person.
For more information please call Rose Gardner at (281) 483-9496.



SPACE CENTER

Roundup

The Roundup is an official publication of the National Aeronautics and Space Administration, Johnson Space Center, Houston, Texas, and is published by the Public Affairs Office for all space center employees. The Roundup office is in Bldg. 2, Rm. 181. The mail code is AP121. The main telephone number is x39978, and the fax is x32000. Visit our website at: <http://www.jsc.nasa.gov/pao/roundup/weekly/> Electronic mail messages may be directed to:

Managing EditorMelissa Davismelissa.davis1@jsc.nasa.gov
Assistant EditorAaron Wyattawyatt@ems.jsc.nasa.gov

NASA BRIEFS

NASA COMES TO THE AID OF
AIRCRAFT-NOISE SUFFERERS

NASA researchers are testing a revolutionary cockpit technology that will help pilots avoid deadly accidents caused by poor visibility.

Engineers from NASA's Langley Research Center in Hampton, Va., have loaded a computer database into a former passenger jet, equipped with futuristic, three-dimensional computer displays, which depicts Colorado's mountainous terrain on board a NASA research aircraft known as ARIES or Airborne Research Integrated Experiments System. ARIES is a highly modified Boeing 757 passenger jet built in the 1980s and transformed into a "flying simulator" in the mid-1990s.

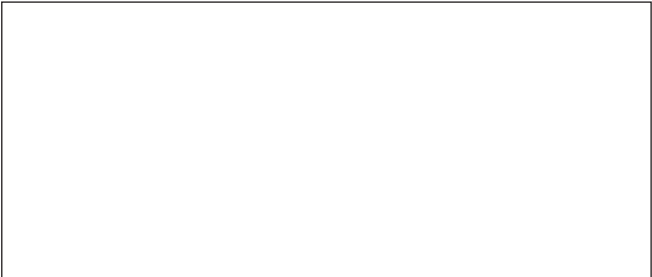
The ARIES aircraft is taking off from the Colorado Springs Airport and making a number of flights over the Eagle County Regional Airport outside of Gypsum, Colo., in support of the NASA Aviation Safety Program's (AvSP) Synthetic Vision Systems project. The NASA AvSP is working with industry teams to create and refine Synthetic Vision, a revolutionary display system for cockpits that will offer pilots an electronic picture of what's outside their windows, no matter the weather or time of day.

NASA AND EAA PUBLISH MIDDLE
SCHOOL AVIATION BOOK

NASA and the Experimental Aircraft Association (EAA) partnered to produce an aviation book designed for middle school students. "Wild Blue Wonders: Exploring the Magic of Flight" was written by Lane Wallace, with the foreword by Chuck Yeager. The book debuted at EAA's AirVenture 2001, during the last week of July.

The 160-page, soft-cover book is divided into four sections. "What Makes an Airplane Fly?" explains how air enables flight. The first section also offers an overview of the principles of flight. The second section is entitled "Designing an Airplane." Wings, control surfaces, engines, landing gear, construction materials and supersonic requirements are all elements to be considered when designing an airplane. These elements combined with explanations for specific tasks an aircraft is designed to complete are presented in an illustrated format. The final two sections, "Putting It All Together" and "Fly," address the components necessary to build an aircraft. Photographs of several cockpits highlight the basic instruments necessary for flight.

The education office at the NASA Dryden Flight Research Center, Edwards, Calif., conceived the idea for an engaging book aimed at this age level. Wallace was contracted to write the book. She interested the EAA as a publishing partner who distributed the book in time for AirVenture 2001. NASA's Aerospace Education Coordinating Committee funded the book's publication.



PRSRST STD
U.S. POSTAGE
PAID
WEBSTER, TX
Permit No. G27